

Product datasheet for **RR205188L4V**

Abcb8 (NM_001007796) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Abcb8 (NM_001007796) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Abcb8
Synonyms:	MGC93731
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001007796
ORF Size:	2142 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR205188).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001007796.1 , NP_001007797.1
RefSeq Size:	2145 bp
RefSeq ORF:	2145 bp
Locus ID:	362302
UniProt ID:	Q5RKI8
Cytogenetics:	4q11



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Gene Summary:

ATP-binding subunit of the mitochondrial potassium channel located in the mitochondrial inner membrane. Together with CCDC51/MITOK, forms a protein complex localized in the mitochondria that mediates ATP-dependent potassium currents across the inner membrane (that is, mitoK(ATP) channel) (By similarity). Plays a role in mitochondrial iron transport. Required for maintenance of normal cardiac function, possibly by influencing mitochondrial iron export and regulating the maturation of cytosolic iron sulfur cluster-containing enzymes (By similarity).[UniProtKB/Swiss-Prot Function]